

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                       | Default Operator | Plurals | Time Stamp          |
|-------|------|--|---------------------------|------------------|---------|---------------------|
| S1    | 1    | "20040238124"  | US-PGPUB;<br>USPAT        | OR               | ON      | 2008/01/01<br>11:18 |
| S2    | 3    | ("5652029" "6001431"<br>"6001432").pn.   | US-PGPUB;<br>USPAT        | OR               | ON      | 2007/12/31<br>16:26 |
| S3    | 21   | ("4534816"   "4578559"  <br>"4663828"   "4707210"  <br>"4910041"   "4920917"  <br>"4991542"   "5022979"  <br>"5203924"   "5266116"  <br>"5413673").FN. OR<br>("6001432").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>16:49 |
| S4    | 52   | ("4534816"   "4578559"  <br>"4663828"   "4755426"  <br>"4910041"   "4920917"  <br>"4991542"   "5013583"  <br>"5022979"   "5102523"  <br>"5104685"   "5203924"  <br>"5217761"   "5266116"  <br>"5294292"   "5302424"  <br>"5336326"   "5340621"  <br>"5413673"   "5449410").FN.<br>OR ("6001431").URPN.                             | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>17:10 |
| S5    | 1298 | 118/723E.cds. and<br>@ad< "20030526"   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>17:10 |
| S6    | 68   | \$5 and plural\$4 near6<br>(cathode\$2 anode\$2))  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>18:23 |
| S7    | 4    | ("4292153"   "5543688"  <br>"5936352"   "5938854").FN.<br>OR ("6779482").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>18:06 |
| S8    | 13   | ("4158717"   "4461819"  <br>"4664890"   "5261962"  <br>"5277751"   "5531834"  <br>"5540781"   "5571366"  <br>"5653811").FN. OR<br>("6145469").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>18:09 |
| S9    | 26   | ("3311735"   "3839618"  <br>"4328257"   "4596718"  <br>"4689468"   "4851636"  <br>"4912361"   "4920917"  <br>"5203924"   "5217747"  <br>"5235160"   "5239161"  <br>"5308977"   "5382293"  <br>"5412173"   "5437725"  <br>"5464667"   "5556560"  <br>"5560779"   "5565249"  <br>"5573682"   "B1432257").FN.<br>OR ("5679167").URPN. | US-PGPUB;<br>USPAT; USOCR | OR               | ON      | 2007/12/31<br>18:16 |

|     |     |  |                           |    |    |                     |
|-----|-----|--|---------------------------|----|----|---------------------|
| S10 | 17  | ("5108571"   "5296036"   "5300189"   "5437725").PN.<br>OR ("5652029").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/12/31<br>18:19 |
| S11 | 1   | "4860687".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2007/12/31<br>18:21 |
| S12 | 87  | (plasma with (atmospher\$4<br>adj pressure) and (plural\$4<br>near6 (cathode\$2 anode\$2))   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/12/31<br>18:27 |
| S13 | 56  | S12 and @ad-< "20030526"   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/12/31<br>18:24 |
| S14 | 54  | S13 not S6   | US-PGPUB;<br>USPAT; USOCR | OR | ON | 2007/12/31<br>18:24 |
| S15 | 1   | (plasma with (atmospher\$4<br>adj pressure) and (plural\$4<br>near6 (cathode\$2 anode\$2))   | EPO; JPO;<br>DERWENT      | OR | ON | 2007/12/31<br>18:27 |
| S16 | 1   | "6827870".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2008/01/01<br>12:38 |
| S17 | 1   | "6777880".pn.  | US-PGPUB;<br>USPAT        | OR | ON | 2008/01/01<br>12:38 |
| S18 | 133 | (US-20030097986-\$ or US-<br>20040045505-\$ or US-<br>20030113479-\$ or US-<br>20020007793-\$ or US-<br>20050016457-\$ or US-<br>20030099784-\$ or US-<br>20020137364-\$ or US-<br>20030052085-\$ or US-<br>20030009868-\$ or US-<br>20040107905-\$ or US-<br>20020100420-\$ or US-<br>20030143822-\$ or US-<br>20050211169-\$ or US-<br>20020148562-\$ or US-<br>20040099214-\$ or US-<br>20040069230-\$ or US-<br>20040050328-\$ or US-<br>20020122896-\$ or US-<br>20020170676-\$ or US-<br>20040011464-\$ or US-<br>20040219737-\$ or US-<br>20050001527-\$ or US-<br>20030106788-\$ or US-<br>20040266073-\$ or US-<br>20020064597-\$ or US-<br>20020092616-\$).did. or (US-<br>20040147113-\$ or US-<br>20040231597-\$ or US-<br>20030057847-\$ or US-<br>20050238817-\$).did. or (US-<br>4381965-\$ or US-4392915-\$<br>or US-5527396-\$ or US-<br>5133986-\$ or US-5102523-\$<br>or US-4633811-\$ or US-<br>5424103-\$ or US-4620893-\$<br>or US-6441553-\$ or US- | US-PGPUB;<br>USPAT; JPO   | OR | ON | 2008/07/02<br>09:21 |

6872259-\$ or US-6719875-\$  
or US-6642661-\$ or US-  
6250250-\$ or US-5090356-\$  
or US-4400235-\$ or US-  
5266116-\$ or US-6427622-\$  
or US-6680086-\$ or US-  
6537418-\$ or US-5009738-\$  
or US-6159333-\$ or US-  
4723508-\$ or US-4841908-\$  
or US-6705245-\$ or US-  
5653810-\$ or US-5595792-\$).  
did. or (US-5580384-\$ or US-  
4767641-\$ or US-5356475-\$  
or US-4574733-\$ or US-  
6924001-\$ or US-4600464-\$  
or US-6676803-\$ or US-  
5683517-\$ or US-5837093-\$  
or US-5271963-\$ or US-  
6632284-\$ or US-4936251-\$  
or US-5885352-\$ or US-  
5902494-\$ or US-6632323-\$  
or US-5336366-\$ or US-  
5314603-\$ or US-4437324-\$  
or US-4663828-\$ or US-  
5087341-\$ or US-6737123-\$  
or US-6446573-\$ or US-  
6948448-\$ or US-6443092-\$  
or US-6186091-\$ or US-  
4623441-\$ or US-5443689-\$).  
did. or (US-6289843-\$ or US-  
4352725-\$ or US-6502530-\$  
or US-5614273-\$ or US-  
4482419-\$ or US-6286452-\$  
or US-6499425-\$ or US-  
6236163-\$ or US-6300225-\$  
or US-6821379-\$ or US-  
6017396-\$ or US-4178877-\$  
or US-4920917-\$ or US-  
5795452-\$ or US-6886491-\$  
or US-6621227-\$ or US-  
4328081-\$ or US-5252178-\$  
or US-4601807-\$ or US-  
5919310-\$ or US-4615298-\$  
or US-6291028-\$ or US-  
5597438-\$ or US-4915807-\$  
or US-6764658-\$ or US-  
5480052-\$ or US-6863020-\$).  
did. or (US-6827870-\$ or US-  
6884635-\$ or US-6628084-\$  
or US-5556549-\$ or US-  
5578130-\$ or US-5330578-\$  
or US-5017404-\$ or US-  
4857420-\$ or US-6538387-\$  
or US-6610350-\$ or US-  
4645895-\$ or US-4994164-\$  
or US-5980767-\$ or US-  
6527908-\$ or US-5549780-\$  
or US-6267074-\$ or US-  
5571749-\$ or US-6409896-\$

|     |       |  |                      |    |     |                     |
|-----|-------|--|----------------------|----|-----|---------------------|
|     |       | or US-6353201-\$ or US-6818193-\$ or US-6530342-\$ or US-5314539-\$).did. or (JP-04118975-\$).did.   |                      |    |     |                     |
| S19 | 1     | "20040185673"  | US-PGPUB;<br>USPAT   | OR | ON  | 2008/07/02<br>09:43 |
| S20 | 1852  | 118/723E.ccls. 156/345.43.ccls.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>12:10 |
| S21 | 1402  | S20 and @ad< "20030326"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>12:11 |
| S22 | 379   | S21 and (electrode\$2 near7 plural\$4)   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>12:14 |
| S23 | 54    | S21 and ((electrode\$2 near8 (normal\$3 perpendicular\$4 orthogonal\$4) near8 (substrate wafer object)))   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:20 |
| S24 | 24    | S22 and S23  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:20 |
| S25 | 20765 | 118/715-733.ccls. 156/345.\$2.ccls. 315/111.\$2.ccls.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:24 |
| S26 | 12977 | S25 and @ad< "20030326"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:24 |
| S27 | 1529  | S25 and (electrode\$2 near5 plural\$4)   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:24 |
| S28 | 946   | S26 and (electrode\$2 near5 plural\$4)   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:25 |
| S29 | 122   | S26 and ((electrode\$2 near8 (normal\$3 perpendicular\$4 orthogonal\$4) near8 (substrate wafer object)))   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:25 |
| S30 | 38    | S28 and S29  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:25 |
| S31 | 21    | S30 not S24  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>15:25 |
| S32 | 2266  | plasma and (electrode\$2 near5 plural\$4) and ((electrode\$2 near8 (normal\$3 perpendicular\$4 orthogonal\$4) near8 (substrate wafer object)))   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>16:00 |
| S33 | 2266  | plasma and ((electrode\$2 near5 plural\$4) and ((electrode\$2 near8 (normal\$3 perpendicular\$4 orthogonal\$4) near8 (substrate wafer object)))) | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>16:01 |
| S34 | 95    | plasma and ((electrode\$2 near5 plural\$4) and ((electrode\$2 near8 (normal\$3 perpendicular\$4 orthogonal\$4) near8 (substrate wafer object)))) | EPO; JPO;<br>DERWENT | OR | OFF | 2008/11/03<br>16:01 |

|     |      |  |                      |    |     |                     |
|-----|------|--|----------------------|----|-----|---------------------|
| S35 | 57   | S34 and @ad< "20030326"  | EPO; JPO;<br>DERWENT | OR | OFF | 2008/11/03<br>16:01 |
| S36 | 1    | "5031571".pn.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>16:41 |
| S37 | 1    | "4437324".pn.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>17:46 |
| S38 | 9    | {plasma adj generati\$4} with<br>(moved movable moves<br>moving) with (substrate\$2<br>wafer\$2) with (across cross\$5<br>longitudinal\$4 X-Y) | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>18:50 |
| S39 | 8    | S38 and @ad< "20030326"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>18:50 |
| S40 | 509  | {electrode\$2 with (moved<br>movable moves moving)) with<br>(substrate\$2 wafer\$2) with<br>(across cross\$5 longitudinal\$4<br>X-Y)           | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>18:52 |
| S41 | 270  | {electrode\$2 near5 (moved<br>movable moves moving)) with<br>(substrate\$2 wafer\$2) with<br>(across cross\$5 longitudinal\$4<br>X-Y)          | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>18:52 |
| S42 | 151  | S41 and @ad< "20030326"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>18:53 |
| S43 | 3500 | ((electrode\$2 near5 (moved<br>movable moves moving))<br>near10 (substrate\$2 wafer<br>\$2))   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>19:05 |
| S44 | 1751 | S43 and @ad< "20030326"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>19:05 |
| S45 | 90   | S44 and ((118/715-733<br>156/345.\$2).ccls.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>19:05 |
| S46 | 86   | S45 not S42  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>19:06 |
| S47 | 198  | plasma and ((electrode\$2<br>near5 (moved movable moves<br>moving)) near10 (substrate\$2<br>wafer\$2))   | EPO; JPO;<br>DERWENT | OR | OFF | 2008/11/03<br>20:34 |
| S48 | 159  | S47 and @ad< "20030326"  | EPO; JPO;<br>DERWENT | OR | OFF | 2008/11/03<br>20:34 |
| S49 | 210  | lwane.in.  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>20:59 |
| S50 | 14   | lwane.in. and plasma   | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/03<br>20:59 |
| S51 | 1    | "20040185673"  | US-PGPUB;<br>USPAT   | OR | OFF | 2008/11/04<br>07:37 |
| S52 | 1    | "5185132".pn.  | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/18<br>08:42 |
| S53 | 1    | "7098599".pn.  | US-PGPUB;<br>USPAT   | OR | OFF | 2009/05/18<br>10:29 |

|     |       |  |                           |    |     |                     |
|-----|-------|--|---------------------------|----|-----|---------------------|
| S54 | 21    | (US-20040238124-\$ or US-20020007793-\$ or US-20030010453-\$ or US-20030104141-\$ or US-20030113479-\$).did. or (US-6827870-\$ or US-5652029-\$ or US-5413673-\$ or US-6236163-\$ or US-6779482-\$ or US-6189485-\$ or US-6145469-\$ or US-5679167-\$ or US-5560779-\$ or US-3959104-\$ or US-5330578-\$ or US-5031571-\$ or US-5164033-\$ or US-6406590-\$).did. or (JP-54058361-\$ or JP-59134827-\$).did. | US-PGPUB;<br>USPAT; JPO   | OR | OFF | 2009/05/18<br>16:09 |
| S55 | 6     | S54 and (power with (select \$6 independent\$4))   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>16:10 |
| S56 | 2768  | 118/723E.ccls. 315/111.21.ccls.  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>17:10 |
| S57 | 11    | S56 and ((micro minute) adj plasma\$2)   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>17:11 |
| S58 | 21259 | 118/715-733.ccls. 315/111.21-111.91.ccls. 156/345.\$2.ccls.  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>20:22 |
| S59 | 14590 | S58 and @ad< "20040324"  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>20:23 |
| S60 | 166   | S59 and (plasma\$2 near3 (micro minute))   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>20:23 |
| S61 | 1     | "20040096581"  | DERWENT                   | OR | OFF | 2009/05/18<br>21:04 |
| S62 | 1     | "5549780".pn.  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>21:05 |
| S63 | 25    | ("4297162"   "4979467"   "5198724"   "5221427"   "5314540").FN. OR ("5549780").UFPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/05/18<br>21:15 |
| S64 | 21259 | 118/715-733.ccls. 315/111.21-111.91.ccls. 156/345.\$2.ccls.  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>23:13 |
| S65 | 14590 | S64 and @ad< "20040324"  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>23:13 |
| S66 | 13    | S65 and (micro adj plasma\$2)  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>23:13 |
| S67 | 188   | S65 and ((micro local\$5) adj plasma\$2)   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/18<br>23:14 |
| S68 | 1     | "20040129220"  | DERWENT                   | OR | ON  | 2009/05/19<br>06:18 |
| S69 | 1     | "7465407".pn.  | US-PGPUB;<br>USPAT        | OR | ON  | 2009/05/19<br>06:22 |

|     |     |  |                           |    |     |                     |
|-----|-----|--|---------------------------|----|-----|---------------------|
| S70 | 7   | ("20030091742"   "20030170472"   "5102523"   "5315473"   "5400209"   "6248219"   "6497839").PN.<br>OR ("7465407").URPN.  | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/05/19<br>06:22 |
| S71 | 0   | "0786238"  | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:27 |
| S72 | 1   | "07086238"   | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:27 |
| S73 | 3   | "2001102199"   | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:28 |
| S74 | 4   | "2003059841"   | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:30 |
| S75 | 4   | "2003059909"   | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:33 |
| S76 | 2   | {saitoh near2 mitsuo}.in. and<br>plasma  | EPO; JPO;<br>DERWENT      | OR | OFF | 2009/05/19<br>06:36 |
| S77 | 280 | {plural\$4 near3 (electrode\$2<br>plasma\$2) and (spatial near3<br>uniform\$4)}  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/19<br>06:56 |
| S78 | 181 | S77 and @ad< "20030326"  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/19<br>06:57 |
| S79 | 32  | {plural\$4 near3 (electrode\$2<br>plasma\$2) and (spatial near3<br>uniform\$4) and (atmospher\$4<br>near4 pressure)}   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/05/19<br>07:14 |
| S80 | 5   | ("5302237"   "5397420"  <br>"5688415"   "5811021").PN.<br>OR ("6827870").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/05/19<br>07:16 |
| S81 | 1   | "2000109979"   | JPO                       | OR | OFF | 2009/05/19<br>20:37 |
| S82 | 1   | "20080277062"  | US-PGPUB;<br>USPAT        | OR | ON  | 2009/05/20<br>08:03 |
| S83 | 7   | ("20020064597"  <br>"20030104141"  <br>"20030106788"  <br>"20040115402"  <br>"20040185673"   "5185132"  <br>"5652029"   "6001431"  <br>"6001432"   "6538387"  <br>"6777880"   "6827870").PN. | USPAT                     | OR | OFF | 2009/12/10<br>11:29 |
| S84 | 5   | ("5302237"   "5397420"  <br>"5688415"   "5811021").PN.<br>OR ("6827870").URPN.   | US-PGPUB;<br>USPAT; USOCR | OR | OFF | 2009/12/10<br>13:16 |
| S85 | 303 | 216/71.ccls.   | US-PGPUB;<br>USPAT        | OR | OFF | 2009/12/10<br>13:53 |
| S86 | 242 | S85 and @ad< "20030326"  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/12/10<br>13:53 |
| S87 | 26  | S86 and {plural\$4 near4<br>electrodes}  | US-PGPUB;<br>USPAT        | OR | OFF | 2009/12/10<br>14:01 |

|     |       |   |                      |    |     |                     |
|-----|-------|---|----------------------|----|-----|---------------------|
| S88 | 1     | S86 and ((microplasma\$2<br>microdischarge\$2) and<br>((micro adj plasma\$2) or<br>(micro adj discharge\$2)))   | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:09 |
| S89 | 3     | "216"/\$.ccls. and<br>((microplasma\$2<br>microdischarge\$2) and<br>((micro adj plasma\$2) or<br>(micro adj discharge\$2)))                                       | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:10 |
| S90 | 2     | "438"/\$.ccls. and<br>((microplasma\$2<br>microdischarge\$2) and<br>((micro adj plasma\$2) or<br>(micro adj discharge\$2)))                                       | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:10 |
| S91 | 2177  | B44C 1/22.ipc. and<br>((microplasma\$2<br>microdischarge\$2) and<br>((micro adj plasma\$2) or<br>(micro adj discharge\$2)))                                       | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:11 |
| S92 | 2177  | B44C 1/22.ipc. and ((plural\$4<br>near5 electrode\$2) and<br>(microplasma\$2<br>microdischarge\$2) and<br>((micro adj plasma\$2) or<br>(micro adj discharge\$2))) | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:12 |
| S93 | 2177  | B44C 1/22.ipc. and ((plural\$4<br>near5 electrode\$2) and<br>(microplasma\$2<br>microdischarge\$2))   | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:12 |
| S94 | 29026 | B44C 1/22.ipc. and ((plural\$4<br>near5 electrode\$2) and<br>(microplasma\$2<br>microdischarge\$2))   | EPO; JPO;<br>DERWENT | OR | OFF | 2009/12/10<br>14:13 |
| S95 | 0     | B44C1/22.ipc. and ((plural\$4<br>near5 electrode\$2) and<br>(microplasma\$2<br>microdischarge\$2))  | EPO; JPO;<br>DERWENT | OR | OFF | 2009/12/10<br>14:13 |
| S96 | 52    | B44C1/22.ipc.   | EPO; JPO;<br>DERWENT | OR | OFF | 2009/12/10<br>14:13 |
| S97 | 29026 | B44C 1/22.ipc.  | EPO; JPO;<br>DERWENT | OR | OFF | 2009/12/10<br>14:13 |
| S98 | 216   | S86 not S87   | US-PGPUB;<br>USPAT   | OR | OFF | 2009/12/10<br>14:18 |



|      |      |   |                         |    |     |                     |
|------|------|---|-------------------------|----|-----|---------------------|
| S99  | 34   | (US-20040238124-\$ or US-20020007793-\$ or US-20030010453-\$ or US-20030104141-\$ or US-20030113479-\$ or US-20030057847-\$ or US-20030079983-\$).did. or (US-6827870-\$ or US-5652029-\$ or US-5413673-\$ or US-6236163-\$ or US-6779482-\$ or US-6189485-\$ or US-6145469-\$ or US-5679167-\$ or US-5560779-\$ or US-3959104-\$ or US-5330578-\$ or US-5031571-\$ or US-5164033-\$ or US-6406590-\$ or US-5185132-\$ or US-5221427-\$ or US-5369336-\$ or US-5549780-\$ or US-6538387-\$ or US-6759808-\$ or US-6621227-\$ or US-7465407-\$ or US-7618686-\$).did. or (JP-54058361-\$ or JP-59134827-\$ or JP-2003059909-\$ or JP-2000109979-\$).did. | US-PGPUB;<br>USPAT; JPO | OR | OFF | 2009/12/10<br>16:47 |
| S100 | 12   | S99 and (electrode near6 mm)  | USPAT                   | OR | OFF | 2009/12/10<br>16:48 |
| S101 | 15   | S99 and (electrode near6 mm)  | US-PGPUB;<br>USPAT      | OR | OFF | 2009/12/10<br>16:48 |
| S102 | 1    | "6777880".pn.   | USPAT                   | OR | OFF | 2009/12/10<br>17:00 |
| S103 | 12   | ("20030104141"  <br>"20030213561"  <br>"20040050685"  <br>"20050279458"   "5198724"  <br>"5304407"   "5424103"  <br>"5549780"   "5948165"  <br>"6086710"   "6406590"  <br>"6441553").FN.  | US-PGPUB;<br>USPAT      | OR | OFF | 2010/03/16<br>10:39 |
| S104 | 0    | "200401292200129"   | US-PGPUB;<br>USPAT      | OR | OFF | 2010/06/09<br>18:50 |
| S105 | 12   | ("20020064597"  <br>"20030104141"  <br>"20030106788"  <br>"20040115402"  <br>"20040185673"   "5185132"  <br>"5652029"   "6001431"  <br>"6001432"   "6538387"  <br>"6777880"   "6827870").FN.  | US-PGPUB;<br>USPAT      | OR | OFF | 2010/06/09<br>21:51 |
| S106 | 1254 | 315/111.21.ccls.  | US-PGPUB;<br>USPAT      | OR | OFF | 2010/06/10<br>07:25 |
| S107 | 807  | S106 and @ad< "20030326"  | US-PGPUB;<br>USPAT      | OR | OFF | 2010/06/10<br>07:25 |

|      |     |  |                      |    |     |                     |
|------|-----|--|----------------------|----|-----|---------------------|
| S108 | 120 | S107 and (plural\$4 near7 electrode\$2)  | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:26 |
| S109 | 23  | S107 and (array near5 electrode\$2)  | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:43 |
| S110 | 193 | S107 and (atmospher\$4 near4 pressure)   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:46 |
| S111 | 12  | S107 and ((atmospher\$4 near4 pressure) and ((micro minute) near5 (plasma\$2 electrode\$2)))   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:54 |
| S112 | 86  | 118/715-733.ccls. and ((atmospher\$4 near4 pressure) and ((micro minute) near5 (plasma\$2 electrode\$2)))                                      | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:59 |
| S113 | 51  | S112 and @ad< "20030326"   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>07:59 |
| S114 | 644 | ((156/345.\$2.ccls. 315/111.\$2.ccls.) and ((atmospher\$4 near4 pressure) and ((micro minute array plural\$4) near5 (plasma\$2 electrode\$2))) | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>09:29 |
| S115 | 368 | S114 and @ad< "20030326"   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>09:30 |
| S116 | 338 | S115 not S113  | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>09:30 |
| S117 | 260 | S116 not S110  | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>09:30 |
| S118 | 260 | S117 not S108  | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>09:30 |
| S119 | 534 | 156/345.43.ccls.   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>10:01 |
| S120 | 292 | S119 and @ad< "20030326"   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>10:01 |
| S121 | 129 | S120 and ((electrode\$2 plasma\$2 discharges) near5 (plural\$4 array multipl\$45 secondary))   | US-PGPUB;<br>USPAT   | OR | OFF | 2010/06/10<br>10:03 |
| S122 | 284 | ((plasma with atmospher\$4) and ((electrode\$2 plasma\$2 discharges) near5 (plural\$4 array multipl\$45 secondary))                            | EPO; JPO;<br>DERWENT | OR | OFF | 2010/06/10<br>11:16 |
| S123 | 371 | ((plasma with atmospher\$4) and ((electrode\$2 plasma\$2 discharges) near5 (minute micro plural\$4 array multipl\$45 secondary))               | EPO; JPO;<br>DERWENT | OR | OFF | 2010/06/10<br>11:16 |
| S124 | 181 | S123 and @ad< "20030326"   | EPO; JPO;<br>DERWENT | OR | OFF | 2010/06/10<br>11:16 |

|      |     |  |                               |    |     |                  |
|------|-----|--|-------------------------------|----|-----|------------------|
| S125 | 652 | (plasma with atmospher\$4) and ((electrode\$2 plasma\$2 discharges) with (minute micro plural\$4 array multipl\$45 secondary))   | EPO; JPO; DERWENT             | OR | OFF | 2010/06/10 12:12 |
| S126 | 338 | S125 and @ad< "20030326"   | EPO; JPO; DERWENT             | OR | OFF | 2010/06/10 12:12 |
| S127 | 157 | S126 not S124  | EPO; JPO; DERWENT             | OR | OFF | 2010/06/10 12:13 |
| S128 | 860 | 118/723E.cds. and ((electrode\$2 plasma\$2 discharges) near5 (plural\$4 array multipl\$45 secondary))  | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:25 |
| S129 | 573 | S128 and @ad< "20030326"   | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:25 |
| S130 | 485 | S129 not S115  | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:26 |
| S131 | 150 | 118/723E.cds. and (((atmospher\$4 near4 (plasma\$2 discharge\$2)) and ((electrode\$2 plasma\$2 discharges) near5 (plural\$4 array multipl\$45 secondary micro minute))))   | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:27 |
| S132 | 98  | S131 and @ad< "20030326"   | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:28 |
| S133 | 431 | S130 not S132  | US-PGPUB; USPAT               | OR | OFF | 2010/06/10 12:38 |
| S134 | 40  | (US-20040238124-\$ or US-2002007793-\$ or US-20030010453-\$ or US-20030104141-\$ or US-20030113479-\$ or US-20030057847-\$ or US-20030079983-\$ or US-20030106788-\$ or US-20030097988-\$).did. or (US-6827870-\$ or US-5652029-\$ or US-5413673-\$ or US-6236163-\$ or US-6779482-\$ or US-6189485-\$ or US-6145469-\$ or US-5679167-\$ or US-5560779-\$ or US-3959104-\$ or US-5330578-\$ or US-5031571-\$ or US-5164033-\$ or US-6406590-\$ or US-5185132-\$ or US-5221427-\$ or US-5369336-\$ or US-5549780-\$ or US-6538387-\$ or US-6759808-\$ or US-6621227-\$ or US-7465407-\$ or US-7618686-\$ or US-6777880-\$ or US-5424103-\$ or US-6948448-\$).did. or (JP-54058361-\$ or JP- | US-PGPUB; USPAT; JPO; DERWENT | OR | OFF | 2010/06/10 13:42 |

|  |                             |  |  |  |  |
|--|-----------------------------|--|--|--|--|
|  | 59134827-\$ or JP-          |  |  |  |  |
|  | 2003059909-\$ or JP-        |  |  |  |  |
|  | 2000109979-\$).did. or (WO- |  |  |  |  |
|  | 9414303-\$).did.            |  |  |  |  |

**6/ 18/ 2010 11:01:25 PM**

**H:\Workspaces\Plur\_Plas\_10807472A.wsp**